



INVENTION AND PROBLEM SOLVING

Student Activity Booklet

Things that BUG you or people you know

Describe

Sketch

Step 1 - Find a Problem

Look at the things that bug you and think about what you could improve. Select one problem to work on.

Step 2 – Assess the Situation

Think about the problem you selected. Who has this problem? When? Where? Why? What causes this problem? Does the problem look any different to you now?

What are some things that are already being done to solve this problem?

What will you be working on?

Step 3 - Brainstorm

Think of as many different (even unusual) ideas for improving the situation as possible.

Step 4 - Elaborate

Choose your best idea. Then, describe and sketch it. Name it. Describe its uses.

Step 5 - Evaluate

Will it work?

Is it really original?

What could or should be added or taken away?

What are some possible bad things about the invention? Can you eliminate or change them?